



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael T. Romanyszyn § Atty. Docket No: L-0170.57
Application No: 09 899.467 § Examiner: REIFSNYDER, DAVID A.
Filed: July 5, 2001 § Group Art Unit: 1723
For: METHOD AND APPARATUS §
FOR TREATING FLUIDS §

AMENDMENT "A"

BOX NON-FEE AMENDMENT
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED
MAY 14 2003
TC 1700

Sir:

Applicant timely responds to the Office Action dated February 12, 2003, as follows:

IN THE CLAIMS:

Please amend the claims as follows:

1. (amended) A vortex nozzle, comprising:

a nozzle body including a passageway therethrough and a plurality of ports
that inlet a fluid flow substantially tangential and normal to the passageway;
and
an end cap attached to the nozzle body.

38. (amended) A vortex nozzle, comprising:

a nozzle body including a passageway;
at least a segment of the passageway being tapered; and
a plurality of ports that inlet a fluid flow substantially tangential and normal to
the passageway.